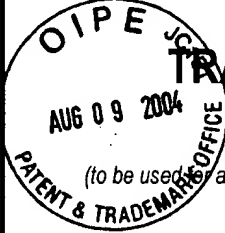

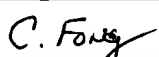


Please type a plus sign (+) inside this box ☐

PTO/SB/21 (6-99)

Approved for use through 09/30/2000. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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 <h1 style="margin: 0;">TRANSMITTAL FORM</h1> <p style="font-size: small;">(to be used for all correspondence after initial filing)</p>		Application Number	09/905,348			
		Filing Date	JULY 13, 2001			
		First Named Inventor	AVI J. ASHKENAZI			
		Group/Art Unit	1647			
		Examiner Name	SAOUD, CHRISTINE J.			
Total Number of Pages in This Submission	45	Attorney Docket Number	39780-1618 P2C18			
<b>ENCLOSURES (check all that apply)</b>						
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> <input checked="" type="checkbox"/> <b>FEE TRANSMITTAL FORM</b>  <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> <b>AMENDMENT / RESPONSE</b>  <input checked="" type="checkbox"/> <b>AFTER FINAL</b>  <input type="checkbox"/> Version With Markings Showing Changes  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53  <input type="checkbox"/> Copy of Notice                 </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> Copy of an Assignment  <input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, by Assignee to Exclusion of Inventor Under 37 C.F.R. §3.71 With Revocation of Prior Powers  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Small Entity Statement  <input type="checkbox"/> Request for Refund                 </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> <b>ADDITIONAL ENCLOSURE(S) (PLEASE IDENTIFY BELOW):</b>  <input checked="" type="checkbox"/> <b>DECLARATION OF PAUL POLAKIS, Ph.D.; ARTICLES BY: ORNTOFT, et al.; HYMAN, et al.; POLLACK, et al., and HANNA AND MORNIN; and STAMPED RETURN POSTCARD</b> </td> </tr> </table>				<input checked="" type="checkbox"/> <b>FEE TRANSMITTAL FORM</b> <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> <b>AMENDMENT / RESPONSE</b> <input checked="" type="checkbox"/> <b>AFTER FINAL</b> <input type="checkbox"/> Version With Markings Showing Changes <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 <input type="checkbox"/> Copy of Notice	<input type="checkbox"/> Copy of an Assignment <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, by Assignee to Exclusion of Inventor Under 37 C.F.R. §3.71 With Revocation of Prior Powers <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> <b>ADDITIONAL ENCLOSURE(S) (PLEASE IDENTIFY BELOW):</b> <input checked="" type="checkbox"/> <b>DECLARATION OF PAUL POLAKIS, Ph.D.; ARTICLES BY: ORNTOFT, et al.; HYMAN, et al.; POLLACK, et al., and HANNA AND MORNIN; and STAMPED RETURN POSTCARD</b>
<input checked="" type="checkbox"/> <b>FEE TRANSMITTAL FORM</b> <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> <b>AMENDMENT / RESPONSE</b> <input checked="" type="checkbox"/> <b>AFTER FINAL</b> <input type="checkbox"/> Version With Markings Showing Changes <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 <input type="checkbox"/> Copy of Notice	<input type="checkbox"/> Copy of an Assignment <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, by Assignee to Exclusion of Inventor Under 37 C.F.R. §3.71 With Revocation of Prior Powers <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> <b>ADDITIONAL ENCLOSURE(S) (PLEASE IDENTIFY BELOW):</b> <input checked="" type="checkbox"/> <b>DECLARATION OF PAUL POLAKIS, Ph.D.; ARTICLES BY: ORNTOFT, et al.; HYMAN, et al.; POLLACK, et al., and HANNA AND MORNIN; and STAMPED RETURN POSTCARD</b>				
<div style="border: 1px solid black; padding: 5px;"> <div style="float: left; width: 150px;">Remarks</div> <div> <b>AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT 08-1641 FOR ANY FEES DUE IN CONNECTION WITH THIS PAPER, REFERENCING ATTORNEY'S DOCKET NO. 39780-1618 P2C18.</b> </div> <div style="clear: both;"></div> </div>						
<b>SIGNATURE OF APPLICANT, ATTORNEY OR AGENT</b>						
Firm or Individual name	HELLER EHRMAN WHITE & McAULIFFE LLP      DAPHNE REDDY (Reg. No. 53,507) 275 Middlefield Road, Menlo Park, California 94025      Telephone: (650) 324-7000      Facsimile: (650) 324-0638					
Signature						
Date	AUGUST 9, 2004	Customer Number:	35489			
<b>CERTIFICATE OF EXPRESS MAILING</b>						
I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated below and addressed to: <b>MAIL STOP AF</b> , Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on this date: <b>AUGUST 9, 2004</b>						
Express Mail Label <b>EL 977 677 999 US</b>						
Typed or printed name	C. FONG					
Signature		Date	AUGUST 9, 2004			

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**110.00**

## Complete if Known

Application Number **09/905,348**  
Filing Date **JULY 13, 2001**  
First Named Inventor **AVI J. ASHKENAZI**  
Examiner Name **SAOUD, CHRISTINE J.**  
Art Unit **1647**  
Attorney Docket No. **39780-1618 P2C18**

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number **08-1641 (39780-1618 P2C18)**  
Deposit Account Name **HELLER EHRMAN WHITE & McAULIFFE LLP**

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	110.00
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**110.00**

## SUBMITTED BY

(Complete (if applicable))

Name (Print/Type)	<b>DAPHNE REDDY</b>	Registration No. (Attorney/Agent)	<b>53,507</b>	Telephone	<b>(650) 324-7000</b>
Signature	<i>Daphne Reddy</i>	Date	<b>AUGUST 9, 2004</b>		

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IFW AF/1647/#

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Avi J. ASHKENAZI, et al.

Application Serial No. 09/905,348

Filed: July 13, 2001

For: **SECRETED AND  
TRANSMEMBRANE  
POLYPEPTIDES AND NUCLEIC  
ACIDS ENCODING THE SAME**

) Examiner: Saoud, Christine J.

) Art Unit: 1647

) Confirmation No. 3826

) Attorney's Docket No. 39780-1618 P2C18

) Customer No. 35489

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DATE MAILED: AUGUST 9, 2004

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

**MAIL STOP AF**

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Dear Sir:

In response to the Final Office Action mailed on April 8, 2004 in connection with the above-identified patent application, please enter the following amendments, and consider the following arguments. This response is filed with a Petition for Extension of time for one month with necessary fees, since August 8, 2004 falls on a Sunday. Attached herewith are a Declaration by Paul Polakis, Ph.D., and articles by (i) Orntoft *et al.*, (ii) Hyman *et al.*, (iii) Pollack *et al.*, and (iv) Hanna and Mornin.

**Amendments to the Claims** are reflected in the listing of claims that begins on page 2 of this paper.

**Remarks/Arguments** begin on page 3 of this paper.

08/12/2004 AMONDAF1 00000082 081641 09905348

01 FC:1251 110.00 DA